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IN THE CLAIMS:

The following is a listing of all the claims as they currently stand. Kindly cancel claims 13-23 and add claims 24-43, as noted below.

13 - 23. (Canceled)

24. (New) A surgical instrument comprising:

an elongate member comprising a proximal portion, a bendable and steerable distal portion, and an inner lumen;

an end effector coupled to the bendable and steerable distal portion of the elongate member;

an actuator assembly coupled to the proximal portion of the elongate member, the actuator assembly comprising a linkage positioned within the inner lumen, wherein a first end of the linkage is coupled to the end effector and a second end of the linkage is releasably coupleable to a robotic manipulator assembly.

- 25. The surgical instrument of claim 24, wherein the inner lumen receives one or more control wires for controlling steering of the distal portion of the elongate shaft.
- 26. (New) The surgical instrument of claim 25, wherein a first end of the control wires are coupled to the bendable and steerable distal portion of the elongate member and a second end of the control wires are coupled to the actuator assembly.
- 27. (New) The surgical instrument of claim 26, wherein the actuator assembly comprises one or more control motors coupled to the control wires to operate the control wire(s).
- 28. (New) The surgical instrument of claim 24, wherein the actuator assembly comprises a movable actuator pin laterally extending from the linkage and extending through an

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axially extending slot in the elongate member to releasably couple the actuator assembly to the robotic manipulator assembly.

- 29. (New) The surgical instrument of claim 24, wherein longitudinal movement of the second end of the linkage actuates the end effector.
- 30. (New) The surgical instrument of claim 24, wherein the end effector comprises jaws, wherein longitudinal movement of the second end of the linkage moves the jaws between an open position and a closed position.
- 31. (New) The surgical instrument of claim 24, wherein the end effectors are coupled to the bendable and steerable distal portion of the elongate member with a wrist.
- 32. (New) The surgical instrument of claim 24, wherein the end effector has at least three degrees of freedom.
- 33. (New) The surgical instrument of claim 24 further comprising a cannula configured to be insertable through a percutaneous incision in the body of a patient during a surgical procedure, the cannula comprising an axial passage for supporting and receiving the elongate member therethrough so that the end effector is disposed adjacent a target site within the body of the patient.
- 34. (New) The surgical instrument of claim 33, wherein the cannula comprises a force sensing element.
- 35. (New) The surgical instrument of claim 33, wherein the elongate member of the surgical instrument is rotatable and axially movable within the axial passage of the cannula.
- 36. (New) The surgical instrument of claim 33, wherein the cannula is substantially rigid and straight.

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37. (New) The surgical instrument of claim 33, wherein the cannula defines a longitudinal axis, wherein the end effectors are configured to be movable off of the longitudinal axis of the cannula.

38 (New) A robotic surgical system comprising: a manipulator assembly comprising an instrument holder; and a surgical instrument comprising:

an elongate member comprising a proximal portion, a bendable and steerable distal portion, and an inner lumen;

an end effector coupled to the bendable and steerable distal portion of the elongate member;

an actuator assembly coupled to the proximal portion of the elongate member, the actuator assembly comprising a linkage positioned within the inner lumen, wherein a first end of the linkage is coupled to the end effector and a second end of the linkage is releasably coupleable to the instrument holder of the manipulator assembly.

- 39. (New) The robotic surgical system of claim 38 further comprising a cannula coupled to the instrument holder and configured to be insertable through a percutaneous incision in the body of a patient during a surgical procedure, the cannula comprising an axial passage for supporting and receiving the elongate member therethrough so that the end effector is disposed adjacent a target site within the body of the patient.
- 40. (New) The robotic surgical system of claim 39, wherein the elongate member of the surgical instrument is rotatable and axially movable within the axial passage of the cannula.
- 41. (New) The robotic surgical system of claim 38, wherein the manipulator assembly includes a first controllable motor for rotating the surgical instrument about an instrument centerline, a second controllable motor for actuating the end effector on the surgical

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instrument and a third controllable motor for axially translating the surgical instrument relative to the manipulator assembly.

- 42. (New) The robotic surgical system of claim 38, further comprising a plurality of different surgical instruments, the surgical instruments sequentially coupleable to the instrument holder of the manipulator assembly so that different surgical instruments may be used during a surgical procedure.
- 43. (New) The robotic surgical system of claim 38, further comprising an input control device located remotely from the manipulator assembly and coupled to a servomechanism of the manipulator assembly so as to permit an operator to remotely control the surgical instrument with the input control device.